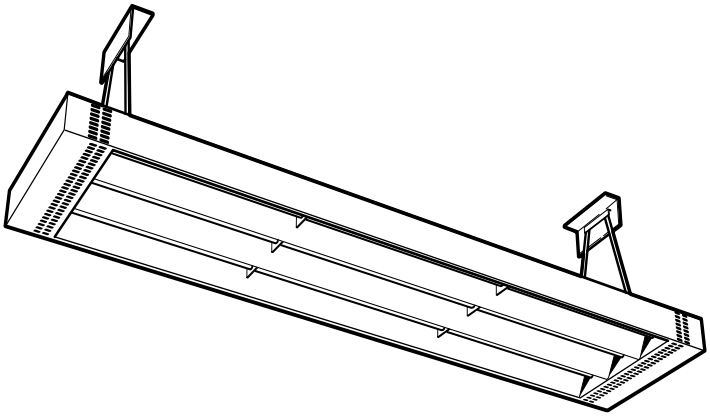
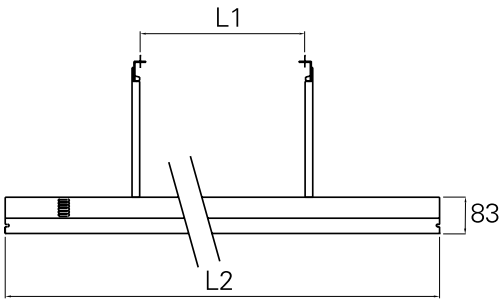
Original instructions

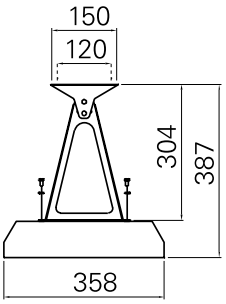
IR3000, IR4500, IR6000

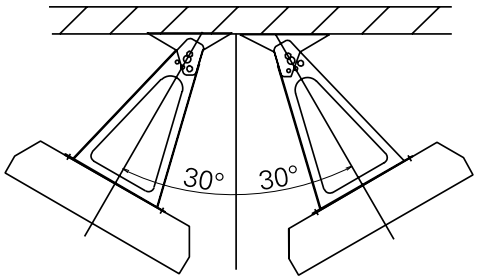


SE ... 8 GB ... 9 NO ... 11 FR .... 13 FI ... 15

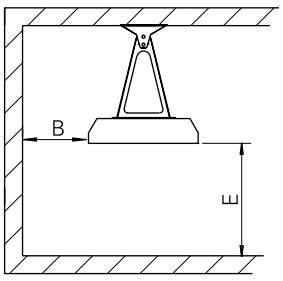
NL ... 17 DE ... 19 PL ... 21 RU ... 22 IT ... 24

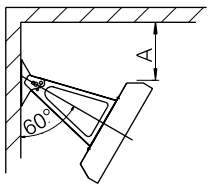


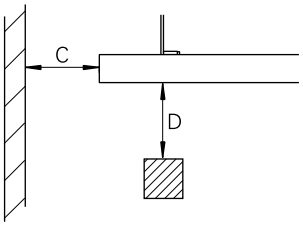




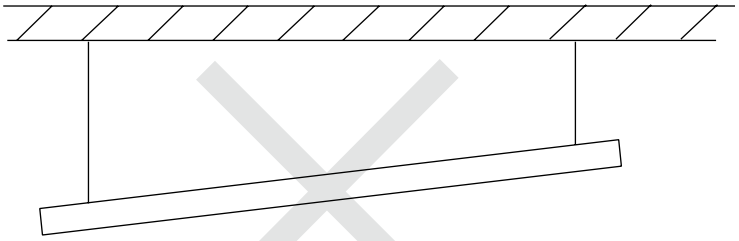
Type	L1 [mm]	L2 [mm]
IR3000	600	1125
IR4500	900	1500
IR6000	1200	1875

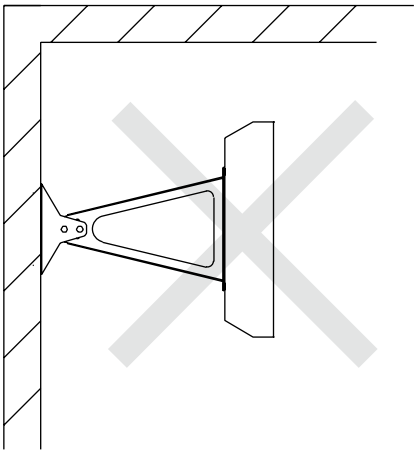


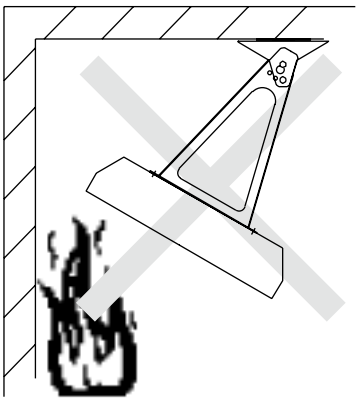




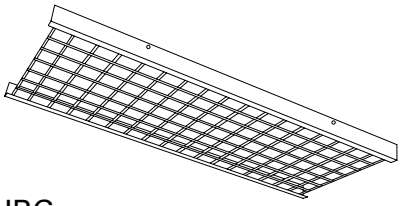
		Minimum distance [mm]
Ceiling	A	400
Wall, long side of the unit	B	400
Wall, short side of the unit	C	400
Flammable material	D	700
Floor	E	2300







Accessories



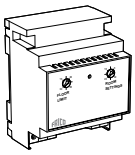
IRG,
Protection grille

Type	E-nr (SE)	EL-nr (NO)	HxWxD [mm]
IRG3000	85 704 10	54 325 16	869x362x40
IRG4500	85 704 11	54 325 17	1235x362x40
IRG6000	85 704 12	54 325 18	1615x362x40

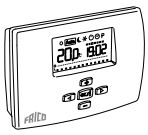
Controls

T10S

TKS16



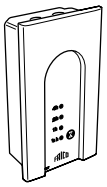
TDIN



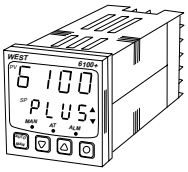
TP8

KRT1900

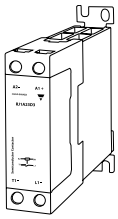
S123



CBT



EDM61



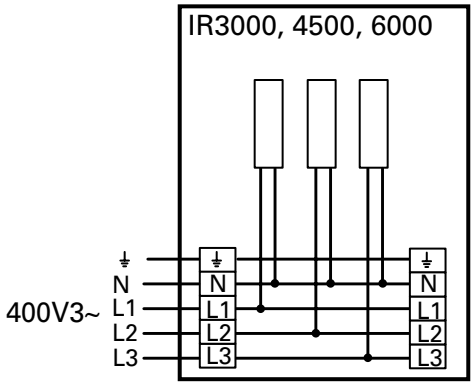
SSR

Type	E-nr (SE)	EL-nr (NO)	HxWxD [mm]
T10S	85 809 33	54 911 12	80x80x31
TKS16	85 809 37	54 911 51	80x80x39
TDIN	85 809 48	54 911 48	90x70x58
TP8	85 809 47	54 911 47	87x125x34
KRT1900	85 810 12	54 910 50	165x57x60
S123	19 346 40	54 019 23	72x64x46
CBT	87 511 87	54 312 02	155x87x43

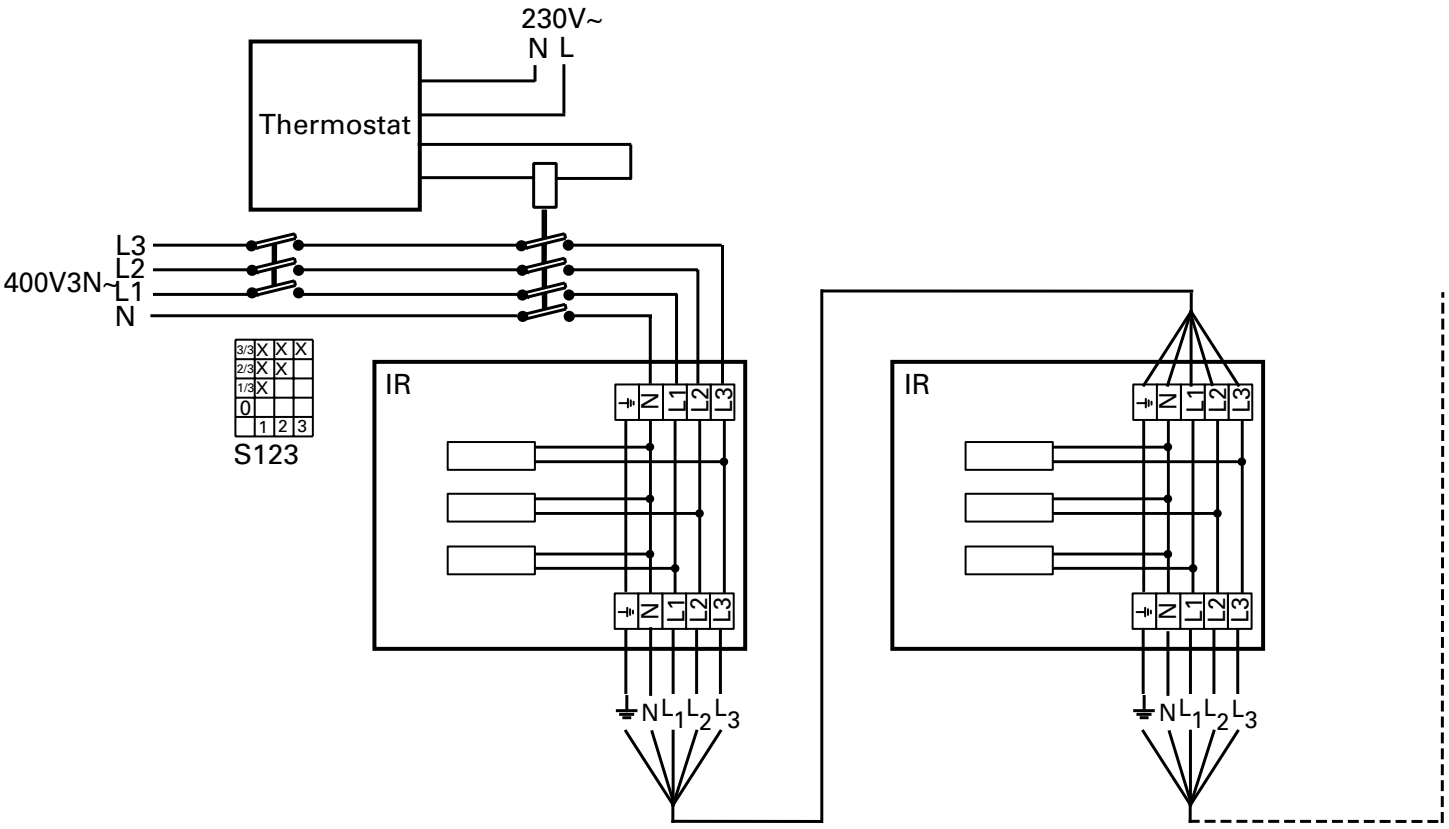
Type	EL-nr (NO)	HxWxD [mm]
EDM61	54 328 87	48x48x120
SSR30A	54 328 89	103x23x103
SSR50A	54 328 92	94x45x103
SSR70A	54 328 94	94x90x103

Wiring diagrams IR

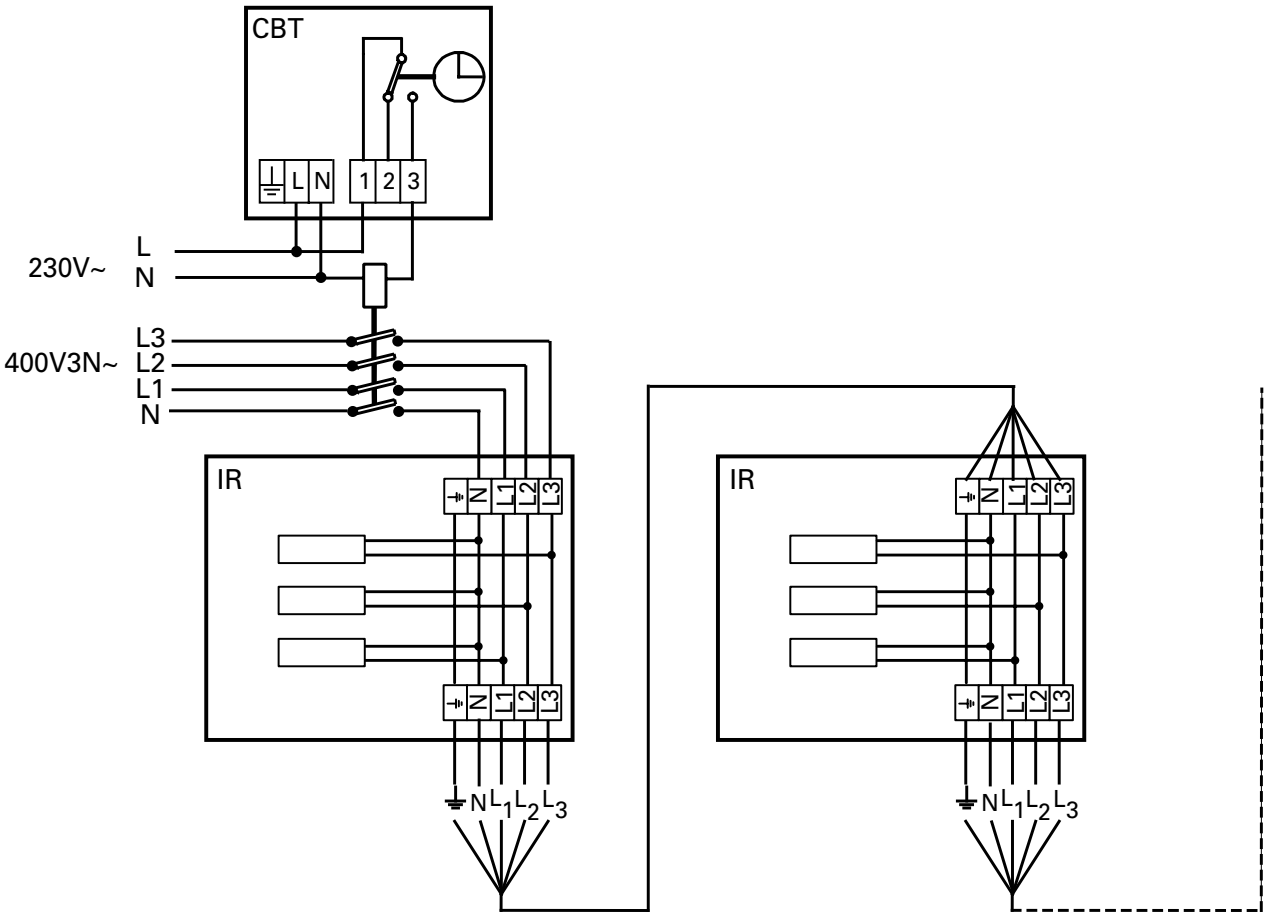
Internal wiring diagram



Control by thermostat, contactor and switch



Control by timer



Technical specifications | Industrial infrared heater IR

Type	Output stages [kW]	Voltage [V]	Amperage [A]	Max. element temperature [°C]	Dimensions LxHxW [mm]	Weight [kg]
IR3000	1/2/3	400V3N~*1	4,3	700	1125x83x358	9.0
IR4500	1.5/3/4.5	400V3N~*1	6,5	700	1500x83x358	11.1
IR6000	2/4/6	400V3N~*1	8,7	700	1875x83x358	13.2

*1) Can also be connected 400V3~, but then without output stages. With neutral, one element tube at a time can be connected.

Protection class IR: (IP44), splash-proof design.
CE compliant.

Assembly and operating instructions

Application
IR is suitabe for total or supplementary heating of premises with large volume and high ceilings. It can also be used outdoors for example on sport arena stands or to keep loading bays dry and frostless.

Action
The infra-red heater heats up rapidly and provides additonal heating input immediately to the area.

Location
For point-heating, at least two infra-red heaters are placed to ensure that heat is provided both in front of and behind people involved. The heaters must be mounted at least 2 m above people´s heads.

Installation
Suspension brackets can be fitted directly to the ceiling or wall. The mountings allow the radiation to be varied 30° in any direction. Note the permitted installation arrangements and minimum distances shown on page 2. In all installations the elements must be horizontal. It is also possible to suspend the heaters from cords(minimum Ø 3 mm).

Electrical installation
The apparatus must be permanently connected. The installation must be carried out by a qualified technician, and the appropriate regulations must be followed. A heat resistant connection cable that can withstand a constant temperature of at least 90 °C, must be used when connecting the heater. The connection box contains terminal blocks for connecting cables with areas up to 16 mm². This makes it possible to connect several heaters in parallel.

Start up (E)
When the unit is used for the first time or after a long period of disuse, smoke or odour may result from dust or dirt that has collected on the element. This is completely normal and disappears after a short time.

Maintenance
Note! When using for the first time or when starting up after a long period of disuse, a small amount of smoke and a slight odour may occur temporarily, which is completely normal. When an infra-red installation has not been in use for some time, the elements should be ”dried”. Switch on the heaters for 5-10 minutes and then allow them to cool. The equipment will then be ready for use again.

If the reflectors are dirty, they can be blast-cleaned using compressed air or wiped clean with a soft cloth.

Residual current circuit breaker (E)
When the installation is protected by means of a residual current circuit breaker, which trips when the appliance is connected, this may be due to moisture in the heating element. When an appliance containing a heater element has not been used for a long period or stored in a damp environment, moisture can enter the element.
This should not be seen as a fault, but is simply rectified by connecting the appliance to the mains supply via a socket without a safety cut-out, so that the moisture can be eliminated from the element. The drying time can vary from a few hours to a few days. As a preventive measure, the unit should occasionally be run for a short time when it is not being used for extended periods of time.

Safety

- *For all installations of electrically heated products should a residual current circuit breaker 300 mA for fire protection be used.*
- *The surfaces of the apparatus become hot during use.*
- *Ensure that there is no flammable material in direct contact with, or under the heaters where it could ignite.*
- *The unit must not be fully or partially covered with inflammable materials, as overheating can result in a fire risk!*
- *The apparatus must not be covered. Overheating can cause a fire-hazard.*
- *The apparatus must not be fitted immediately below permanent electrical wall sockets.*
- *This product is not designed to be used by children or persons with reduced physical or mental ability or a lack of experience and knowledge, unless instruction regarding the product's use has been given by a person with responsibility for their safety or that this person supervises operation. Children must be kept under supervision to ensure they do not play with the product.*

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